

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

In re application of: Toshiyuki KAMBE

Appl. No.: NEW Group:

Filed: December 26, 2001 Examiner:

For: WAVEGUIDE-TYPE OPTICAL CONTROL DEVICE AND  
PROCESS FOR PRODUCING THE SAME

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

December 26, 2001

Sir:

The following preliminary amendments and remarks are respectfully submitted in connection with the above-identified application.

**IN THE CLAIMS:**

Please amend claims 17, 24 and 25 as follows:

--17. (Amended) The waveguide-type optical control device according to claim 6, wherein the directional coupler is provided in each of the optical branching section and the optical coupling section and both the directional couplers are provided with the second electrode section.--

--24. (Amended) The waveguide-type optical control device according to claim 20, wherein the first directional coupling

section intermediate electrode has been offset with respect to the center line between the two optical waveguides constituting the first directional coupling section.--

--25. (Amended) The waveguide-type optical control device according to claim 22, wherein the second directional coupling section intermediate electrode has been offset with respect to the center line between the two optical waveguides constituting the second directional coupling section.-

REMARKS

Claims 1-35 are pending in the present application.  
Claims 17, 24 and 25 have been amended.

Entry of the above amendments is earnestly solicited.  
An early and favorable first action on the merits is earnestly requested.

Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

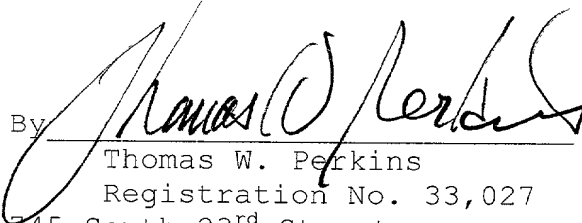
Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON

By



Thomas W. Perkins  
Registration No. 33,027  
745 South 23<sup>rd</sup> Street  
Arlington, VA 22202  
Telephone (703) 521-2297

TWP/srs

Attachments

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 17, 24 and 25 have been amended as follows:

--17. (Amended) The waveguide-type optical control device according to claim ~~6, 7, 8, 9, 10, 13, or 16,~~ wherein the directional coupler is provided in each of the optical branching section and the optical coupling section and both the directional couplers are provided with the second electrode section.--

--24. (Amended) The waveguide-type optical control device according to claim ~~20 or 21,~~ wherein the first directional coupling section intermediate electrode has been offset with respect to the center line between the two optical waveguides constituting the first directional coupling section.--

--25. (Amended) The waveguide-type optical control device according to claim ~~22 or 23,~~ wherein the second directional coupling section intermediate electrode has been offset with respect to the center line between the two optical waveguides constituting the second directional coupling section.--